Joost A De Gouw

List of Publications by Year
in descending order

352 papers	33,084 citations	2911 95 h-index	7703 152 g-index
529 all docs	529 docs citations	529 times ranked	17829 citing authors

#	Article	IF	Citations
1	Absorption of volatile organic compounds (VOCs) by polymer tubing: implications for indoor air and use as a simple gas-phase volatility separation technique. Atmospheric Measurement Techniques, 2024, 17, 1545-1559.	3.1	1
2	Effects of 222 nm Germicidal Ultraviolet Light on Aerosol and VOC Formation from Limonene. , 2024, 1, 725-733.		2
3	Secondary Organic Aerosol Formation from the OH Oxidation of Phenol, Catechol, Styrene, Furfural, and Methyl Furfural. ACS Earth and Space Chemistry, 2024, 8, 1179-1192.	2.8	0
4	Modeling the Impacts of Volatile Chemical Product Emissions on Atmospheric Photochemistry and Ozone Formation in Los Angeles. Journal of Geophysical Research D: Atmospheres, 2024, 129, .	3.3	0
5	Widespread Frequent Methane Emissions From the Oil and Gas Industry in the Permian Basin. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	7
6	Investigation of Gas-Phase Products from the NO₃ Radical Oxidation of Î”-3-Carene. ACS Earth and Space Chemistry, 2023, 7, 1097-1106.	2.8	2
7	Residual impacts of a wildland urban interface fire on urban particulate matter and dust: a study from the Marshall Fire. Air Quality, Atmosphere and Health, 2023, 16, 1839-1850.	3.3	2
8	COVIDâ€19 Impact on the Oil and Gas Industry NO₂ Emissions: A Case Study of the Permian Basin. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	1
9	Evolution of organic carbon in the laboratory oxidation of biomass-burning emissions. Atmospheric Chemistry and Physics, 2023, 23, 7887-7899.	5.0	2
10	Significant Production of Ozone from Germicidal UV Lights at 222 nm. Environmental Science and Technology Letters, 2023, 10, 668-674.	8.8	14
11	Sâ€5P/TROPOMIâ€Derived NO_x Emissions From Copper/Cobalt Mining and Other Industrial Activities in the Copperbelt (Democratic Republic of Congo and Zambia). Geophysical Research Letters, 2023, 50, .	4.0	0
12	Measurements of volatile organic compounds in ambient air by gas-chromatography and real-time Vocus PTR-TOF-MS: calibrations, instrument background corrections, and introducing a PTR Data Toolkit. Atmospheric Measurement Techniques, 2023, 16, 5261-5285.	3.1	2
13	Analyzing the Impact of Evolving Combustion Conditions on the Composition of Wildfire Emissions Using Satellite Data. Geophysical Research Letters, 2023, 50, .	4.0	2
14	Quantifying NO_x Emissions from U.S. Oil and Gas Production Regions Using TROPOMI NO₂. ACS Earth and Space Chemistry, 2022, 6, 403-414.	2.8	18
15	Teaching Instrumental Analysis during the Pandemic: Application of Handheld CO₂ Monitors to Explore COVID-19 Transmission Risks. Journal of Chemical Education, 2022, 99, 1794-1801.	2.4	6
16	Nextâ€Generation Isoprene Measurements From Space: Detecting Daily Variability at High Resolution. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	13
17	Wire + Arc Additive Manufacturing and Heat Treatment of Super Martensitic Stainless Steel with a Refined Microstructure and Excellent Mechanical Properties. Materials, 2022, 15, 2624.	3.0	9
18	Insights into the significant increase in ozone during COVID-19 in a typical urban city of China. Atmospheric Chemistry and Physics, 2022, 22, 4853-4866.	5.0	34

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19	Hydrogen chloride (HCl) at ground sites during CalNex 2010 and insight into its thermodynamic properties. Journal of Geophysical Research D: Atmospheres, 2022, 127, 1-16.	3.3	1
20	Reactive Chlorine Emissions from Cleaning and Reactive Nitrogen Chemistry in an Indoor Athletic Facility. Environmental Science & Technology, 2022, 56, 15408-15416.	10.5	10
21	Quantification and source characterization of volatile organic compounds from exercising and application of chlorineâ€based cleaning products in a university athletic center. Indoor Air, 2021, 31, 1323-1339.	4.4	38
22	GLOVOCS - Master compound assignment guide for proton transfer reaction mass spectrometry users. Atmospheric Environment, 2021, 244, 117929.	4.2	31
23	An in situ gas chromatograph with automatic detector switching between PTR- and EI-TOF-MS: isomer-resolved measurements of indoor air. Atmospheric Measurement Techniques, 2021, 14, 133-152.	3.1	39
24	Vaccine safety: looking forward and back. BMJ Global Health, 2021, 6, e005743.	5.5	1
25	Cloud droplets aid the production of formic acid in the atmosphere. Nature, 2021, 593, 198-199.	36.2	13
26	Revisiting Acetonitrile as Tracer of Biomass Burning in Anthropogenicâ€influenced Environments. Geophysical Research Letters, 2021, 48, e2020GL092322.	4.0	25
27	Quantifying Methane and Ozone Precursor Emissions from Oil and Gas Production Regions across the Contiguous US. Environmental Science & Technology, 2021, 55, 9129-9139.	10.5	25
28	Measurements of Total OH Reactivity During CalNexâ€LA. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD032988.	3.3	8
29	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. Atmospheric Chemistry and Physics, 2021, 21, 11201-11224.	5.0	67
30	Sources of Gas-Phase Species in an Art Museum from Comprehensive Real-Time Measurements. ACS Earth and Space Chemistry, 2021, 5, 2252-2267.	2.8	13
31	Measurements of Volatile Organic Compounds During the COVIDâ€19 Lockdown in Changzhou, China. Geophysical Research Letters, 2021, 48, e2021GL095560.	4.0	14
32	As aÃ§Ãµes profissionais da/o assistente social na atenÃ§Ã£o primÃ¡ria em saÃºde no contexto da pandemia de Covid-19. Revista KatÃ¡lysis, 2021, 24, 595-606.	0.4	1
33	Assessment of Updated Fuelâ€Based Emissions Inventories Over the Contiguous United States Using TROPOMI NO₂ Retrievals. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035484.	3.3	24
34	Societal shifts due to COVID-19 reveal large-scale complexities and feedbacks between atmospheric chemistry and climate change. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.6	55
35	In the Footsteps of My Countrymen: Atmospheric Chemistry in New England, Los Angeles, and the Southeast United States. Perspectives of Earth and Space Scientists, 2021, 2, .	0.3	1
36	Nitrogen Oxide Emissions from U.S. Oil and Gas Production: Recent Trends and Source Attribution. Geophysical Research Letters, 2020, 47, e2019GL085866.	4.0	33

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37	Contrasting Reactive Organic Carbon Observations in the Southeast United States (SOAS) and Southern California (CalNex). Environmental Science & Technology, 2020, 54, 14923-14935.	10.5	18
38	Biomass-burning-derived particles from a wide variety of fuels â€“ Part 2: Effects of photochemical aging on particle optical and chemical properties. Atmospheric Chemistry and Physics, 2020, 20, 8511-8532.	5.0	45
39	Satellite isoprene retrievals constrain emissions and atmospheric oxidation. Nature, 2020, 585, 225-233.	36.2	57
40	Oxygenated Aromatic Compounds are Important Precursors of Secondary Organic Aerosol in Biomass-Burning Emissions. Environmental Science & Technology, 2020, 54, 8568-8579.	10.5	88
41	Daily Satellite Observations of Methane from Oil and Gas Production Regions in the United States. Scientific Reports, 2020, 10, 1379.	3.4	82
42	Measurements and modeling of absorptive partitioning of volatile organic compounds to painted surfaces. Indoor Air, 2020, 30, 745-756.	4.4	30
43	Estimation of Secondary Organic Aerosol Formation During a Photochemical Smog Episode in Shanghai, China. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032033.	3.3	23
44	Drivers of cloud droplet number variability in the summertime in the southeastern United States. Atmospheric Chemistry and Physics, 2020, 20, 12163-12176.	5.0	14
45	The nitrogen budget of laboratory-simulated western US wildfires during the FIREX 2016 Fire Lab study. Atmospheric Chemistry and Physics, 2020, 20, 8807-8826.	5.0	48
46	Effects of gasâ€“wall interactions on measurements of semivolatile compounds and small polar molecules. Atmospheric Measurement Techniques, 2019, 12, 3137-3149.	3.1	48
47	Measurements of delays of gas-phase compounds in a wide variety of tubing materials due to gasâ€“wall interactions. Atmospheric Measurement Techniques, 2019, 12, 3453-3461.	3.1	69
48	Secondary organic aerosol formation from the laboratory oxidation of biomass burning emissions. Atmospheric Chemistry and Physics, 2019, 19, 12797-12809.	5.0	75
49	Budgets of Organic Carbon Composition and Oxidation in Indoor Air. Environmental Science & Technology, 2019, 53, 13053-13063.	10.5	42
50	Autoxidation of Limonene Emitted in a University Art Museum. Environmental Science and Technology Letters, 2019, 6, 520-524.	8.8	23
51	On the sources and sinks of atmospheric VOCs: an integrated analysis of recent aircraft campaigns over North America. Atmospheric Chemistry and Physics, 2019, 19, 9097-9123.	5.0	33
52	Nighttime Chemical Transformation in Biomass Burning Plumes: A Box Model Analysis Initialized with Aircraft Observations. Environmental Science & Technology, 2019, 53, 2529-2538.	10.5	78
53	Products and Secondary Organic Aerosol Yields from the OH and NO₃ Radical-Initiated Oxidation of Resorcinol. ACS Earth and Space Chemistry, 2019, 3, 1248-1259.	2.8	21
54	Hydrocarbon Removal in Power Plant Plumes Shows Nitrogen Oxide Dependence of Hydroxyl Radicals. Geophysical Research Letters, 2019, 46, 7752-7760.	4.0	10

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55	Time-Resolved Measurements of Indoor Chemical Emissions, Deposition, and Reactions in a University Art Museum. Environmental Science & Technology, 2019, 53, 4794-4802.	10.5	93
56	A Library of Proton-Transfer Reactions of H₃O⁺ Ions Used for Trace Gas Detection. Journal of the American Society for Mass Spectrometry, 2019, 30, 1330-1335.	3.1	77
57	Anthropogenic enhancements to production of highly oxygenated molecules from autoxidation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6641-6646.	7.6	82
58	An Odd Oxygen Framework for Wintertime Ammonium Nitrate Aerosol Pollution in Urban Areas: NO_x and VOC Control as Mitigation Strategies. Geophysical Research Letters, 2019, 46, 4971-4979.	4.0	87
59	Importance of biogenic volatile organic compounds to acyl peroxy nitrates (APN) production in the southeastern US during SOAS 2013. Atmospheric Chemistry and Physics, 2019, 19, 1867-1880.	5.0	12
60	Simulating the Weekly Cycle of NO_xâ€VOCâ€HO_xâ€O₃ Photochemical System in the South Coast of California During CalNexâ€2010 Campaign. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3532-3555.	3.3	10
61	OH chemistry of non-methane organic gases (NMOGs) emitted from laboratory and ambient biomass burning smoke: evaluating the influence of furans and oxygenated aromatics on ozone and secondary NMOG formation. Atmospheric Chemistry and Physics, 2019, 19, 14875-14899.	5.0	96
62	Effects of temperature-dependent NO_{<i>x</i>} emissions on continental ozone production. Atmospheric Chemistry and Physics, 2018, 18, 2601-2614.	5.0	64
63	Diurnal Variability and Emission Pattern of Decamethylcyclopentasiloxane (D₅) from the Application of Personal Care Products in Two North American Cities. Environmental Science & Technology, 2018, 52, 5610-5618.	10.5	83
64	Monoterpenes are the largest source of summertime organic aerosol in the southeastern United States. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2038-2043.	7.6	199
65	Volatile chemical products emerging as largest petrochemical source of urban organic emissions. Science, 2018, 359, 760-764.	20.9	780
66	Chemistry of Volatile Organic Compounds in the Los Angeles Basin: Formation of Oxygenated Compounds and Determination of Emission Ratios. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2298-2319.	3.3	48
67	Identification and Quantification of 4-Nitrocatechol Formed from OH and NO₃ Radical-Initiated Reactions of Catechol in Air in the Presence of NO_x: Implications for Secondary Organic Aerosol Formation from Biomass Burning. Environmental Science & Technology, 2018, 52, 1981-1989.	10.5	126
68	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. Bulletin of the American Meteorological Society, 2018, 99, 547-567.	5.5	66
69	Nitrous acid formation in a snow-free wintertime polluted rural area. Atmospheric Chemistry and Physics, 2018, 18, 1977-1996.	5.0	25
70	Southeast Atmosphere Studies: learning from model-observation syntheses. Atmospheric Chemistry and Physics, 2018, 18, 2615-2651.	5.0	37
71	Aerosol optical properties and trace gas emissions by PAX and OP-FTIR for laboratory-simulated western US wildfires during FIREX. Atmospheric Chemistry and Physics, 2018, 18, 2929-2948.	5.0	111
72	Non-methane organic gas emissions from biomass burning: identification, quantification, and emission factors from PTR-ToF during the FIREX 2016 laboratory experiment. Atmospheric Chemistry and Physics, 2018, 18, 3299-3319.	5.0	254

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73	Laboratory investigations of Titan haze formation: In situ measurement of gas and particle composition. Icarus, 2018, 301, 136-151.	2.5	37
74	Intercomparison of OH and OH reactivity measurements in a high isoprene and low NO environment during the Southern Oxidant and Aerosol Study (SOAS). Atmospheric Environment, 2018, 174, 227-236.	4.2	23
75	Primary emissions of glyoxal and methylglyoxal from laboratory measurements of open biomass burning. Atmospheric Chemistry and Physics, 2018, 18, 15451-15470.	5.0	31
76	Secondary organic aerosol production from local emissions dominates the organic aerosol budget over Seoul, South Korea, during KORUS-AQ. Atmospheric Chemistry and Physics, 2018, 18, 17769-17800.	5.0	112
77	High- and low-temperature pyrolysis profiles describe volatile organic compound emissions from western US wildfire fuels. Atmospheric Chemistry and Physics, 2018, 18, 9263-9281.	5.0	111
78	Evaluation of a New Reagent-Ion Source and Focusing Ionâ€“Molecule Reactor for Use in Proton-Transfer-Reaction Mass Spectrometry. Analytical Chemistry, 2018, 90, 12011-12018.	6.8	198
79	Development of a Fuel-Based Oil and Gas Inventory of Nitrogen Oxides Emissions. Environmental Science & Technology, 2018, 52, 10175-10185.	10.5	21
80	Impact of high-resolution a priori profiles on satellite-based formaldehyde retrievals. Atmospheric Chemistry and Physics, 2018, 18, 7639-7655.	5.0	3
81	Secondary organic aerosol (SOA) yields from NO₃ radical + isoprene based on nighttime aircraft power plant plume transects. Atmospheric Chemistry and Physics, 2018, 18, 11663-11682.	5.0	53
82	Quantifying Methane and Ethane Emissions to the Atmosphere From Central and Western U.S. Oil and Natural Gas Production Regions. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7725-7740.	3.3	77
83	Modeling Ozone in the Eastern U.S. using a Fuel-Based Mobile Source Emissions Inventory. Environmental Science & Technology, 2018, 52, 7360-7370.	10.5	68
84	Limited impact of sulfate-driven chemistry on black carbon aerosol aging in power plant plumes. AIMS Environmental Science, 2018, 5, 195-215.	1.4	1
85	Summertime tropospheric ozone enhancement associated with a cold front passage due to stratosphereâ€toâ€troposphere transport and biomass burning: Simultaneous groundâ€based lidar and airborne measurements. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1293-1311.	3.3	19
86	Calculation of the sensitivity of proton-transfer-reaction mass spectrometry (PTR-MS) for organic trace gases using molecular properties. International Journal of Mass Spectrometry, 2017, 421, 71-94.	1.6	112
87	Biological cycling of volatile organic carbon by phytoplankton and bacterioplankton. Limnology and Oceanography, 2017, 62, 2650-2661.	3.5	60
88	Review of Urban Secondary Organic Aerosol Formation from Gasoline and Diesel Motor Vehicle Emissions. Environmental Science & Technology, 2017, 51, 1074-1093.	10.5	372
89	Proton-Transfer-Reaction Mass Spectrometry: Applications in Atmospheric Sciences. Chemical Reviews, 2017, 117, 13187-13229.	51.4	313
90	Automated single-ion peak fitting as an efficient approach for analyzing complex chromatographic data. Journal of Chromatography A, 2017, 1529, 81-92.	3.8	38

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91	Transition from high- to low-NOx control of night-time oxidation in the southeastern US. Nature Geoscience, 2017, 10, 490-495.	11.9	62
92	Gasoline cars produce more carbonaceous particulate matter than modern filter-equipped diesel cars. Scientific Reports, 2017, 7, 4926.	3.4	143
93	Impact of evolving isoprene mechanisms on simulated formaldehyde: An inter-comparison supported by in situ observations from SENEX. Atmospheric Environment, 2017, 164, 325-336.	4.2	35
94	Emissions of volatile organic compounds (VOCs) from concentrated animal feeding operations (CAFOs): chemical compositions and separation of sources. Atmospheric Chemistry and Physics, 2017, 17, 4945-4956.	5.0	54
95	Investigating diesel engines as an atmospheric source of isocyanic acid in urban areas. Atmospheric Chemistry and Physics, 2017, 17, 8959-8970.	5.0	34
96	Chemistry of Volatile Organic Compounds in the Los Angeles basin: Nighttime Removal of Alkenes and Determination of Emission Ratios. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,843.	3.3	41
97	Qualitative and quantitative analysis of atmospheric organosulfates in Centreville, Alabama. Atmospheric Chemistry and Physics, 2017, 17, 1343-1359.	5.0	78
98	Ethene, propene, butene and isoprene emissions from a ponderosa pine forest measured by relaxed eddy accumulation. Atmospheric Chemistry and Physics, 2017, 17, 13417-13438.	5.0	33
99	An improved, automated whole air sampler and gas chromatography mass spectrometry analysis system for volatile organic compounds in the atmosphere. Atmospheric Measurement Techniques, 2017, 10, 291-313.	3.1	57
100	Analysis of local-scale background concentrations of methane and other gas-phase species in the Marcellus Shale. Elementa, 2017, 5, .	3.3	26
101	Effects of prostaglandin E₁ infusion on blood flow in a patient with Buerger's disease: a case report. Vascular Failure, 2017, 1, 39-41.	0.2	0
102	Observations of VOC emissions and photochemical products over US oil- and gas-producing regions using high-resolution H₃O⁺ CIMS (PTR-ToF-MS). Atmospheric Measurement Techniques, 2017, 10, 2941-2968.	3.1	44
103	Effects of gasâ€“wall partitioning in Teflon tubing and instrumentation on time-resolved measurements of gas-phase organic compounds. Atmospheric Measurement Techniques, 2017, 10, 4687-4696.	3.1	103
104	Influence of Long-Range Transport of Siberian Biomass Burning at the Mt. Bachelor Observatory during the Spring of 2015. Aerosol and Air Quality Research, 2017, 17, 2751-2761.	2.1	6
105	Development of a Reporter System for In Vivo Monitoring of Î³-Secretase Activity in Drosophila. Molecules and Cells, 2017, 40, 73-81.	2.6	3
106	A high-resolution time-of-flight chemical ionization mass spectrometer utilizing hydronium ions (H₃O⁺ ToF-CIMS) for measurements of volatile organic compounds in the atmosphere. Atmospheric Measurement Techniques, 2016, 9, 2735-2752.	3.1	81
107	Instrumentation and measurement strategy for the NOAA SENEX aircraft campaign as part of the Southeast Atmosphere Study 2013. Atmospheric Measurement Techniques, 2016, 9, 3063-3093.	3.1	60
108	Evaluation of NO⁺ reagent ion chemistry for online measurements of atmospheric volatile organic compounds. Atmospheric Measurement Techniques, 2016, 9, 2909-2925.	3.1	50

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109	Contribution of human-related sources to indoor volatile organic compounds in a university classroom. Indoor Air, 2016, 26, 925-938.	4.4	100
110	Observational constraints on glyoxal production from isoprene oxidation and its contribution to organic aerosol over the Southeast United States. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9849-9861.	3.3	51
111	Isoprene suppression of new particle formation: Potential mechanisms and implications. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14,621.	3.3	39
112	Measurements of hydroxyl and hydroperoxy radicals during CalNexâ€LA: Model comparisons and radical budgets. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4211-4232.	3.3	91
113	Testing Atmospheric Oxidation in an Alabama Forest. Journals of the Atmospheric Sciences, 2016, 73, 4699-4710.	1.8	55
114	Emissions of nitrogenâ€containing organic compounds from the burning of herbaceous and arboraceous biomass: Fuel composition dependence and the variability of commonly used nitrile tracers. Geophysical Research Letters, 2016, 43, 9903-9912.	4.0	85
115	Influence of oil and gas emissions on summertime ozone in the Colorado Northern Front Range. Journal of Geophysical Research D: Atmospheres, 2016, 121, 8712-8729.	3.3	91
116	Enhanced formation of isopreneâ€derived organic aerosol in sulfurâ€rich power plant plumes during Southeast Nexus. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,137.	3.3	50
117	Secondary formation of nitrated phenols: insights from observations during the Uintah Basin Winter Ozone Study (UBWOS) 2014. Atmospheric Chemistry and Physics, 2016, 16, 2139-2153.	5.0	88
118	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. Atmospheric Chemistry and Physics, 2016, 16, 573-583.	5.0	25
119	Volatility and lifetime against OH heterogeneous reaction of ambient isoprene-epoxydiols-derived secondary organic aerosol (IEPOX-SOA). Atmospheric Chemistry and Physics, 2016, 16, 11563-11580.	5.0	85
120	Formaldehyde production from isoprene oxidation acrossÂNO_{<i>x</i>}Âregimes. Atmospheric Chemistry and Physics, 2016, 16, 2597-2610.	5.0	138
121	Real-time measurements of secondary organic aerosol formation and aging from ambient air in an oxidation flow reactor in the Los Angeles area. Atmospheric Chemistry and Physics, 2016, 16, 7411-7433.	5.0	142
122	The lifetime of nitrogen oxides in an isoprene-dominated forest. Atmospheric Chemistry and Physics, 2016, 16, 7623-7637.	5.0	79
123	Speciation of OH reactivity above the canopy of an isoprene-dominated forest. Atmospheric Chemistry and Physics, 2016, 16, 9349-9359.	5.0	60
124	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. Physical Chemistry Chemical Physics, 2016, 18, 10241-10254.	2.9	185
125	Highly functionalized organic nitrates in the southeast United States: Contribution to secondary organic aerosol and reactive nitrogen budgets. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1516-1521.	7.6	281
126	Continued emissions of carbon tetrachloride from the United States nearly two decades after its phaseout for dispersive uses. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2880-2885.	7.6	34

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127	The biology, fishery and market of Chilean hake (Merluccius gayi gayi) in the Southeastern Pacific Ocean. , 2015, , 126-153.		4
128	Understanding high wintertime ozone pollution events in an oil- and natural gas-producing region of the western US. Atmospheric Chemistry and Physics, 2015, 15, 411-429.	5.0	155
129	Modeling the formation and aging of secondary organic aerosols in Los Angeles during CalNex 2010. Atmospheric Chemistry and Physics, 2015, 15, 5773-5801.	5.0	147
130	Reassessing the ratio of glyoxal to formaldehyde as an indicator of hydrocarbon precursor speciation. Atmospheric Chemistry and Physics, 2015, 15, 7571-7583.	5.0	56
131	Biomass burning emissions and potential air quality impacts of volatile organic compounds and other trace gases from fuels common in the US. Atmospheric Chemistry and Physics, 2015, 15, 13915-13938.	5.0	186
132	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region. Atmospheric Chemistry and Physics, 2015, 15, 1975-1993.	5.0	59
133	A large and ubiquitous source of atmospheric formic acid. Atmospheric Chemistry and Physics, 2015, 15, 6283-6304.	5.0	211
134	Peroxynitric acid (HO₂NO₂) measurements during the UBWOS 2013 and 2014 studies using iodide ion chemical ionization mass spectrometry. Atmospheric Chemistry and Physics, 2015, 15, 8101-8114.	5.0	37
135	Corrigendum to "In situ vertical profiles of aerosol extinction, mass, and composition over the southeast United States during SENEX and SEAC⁴RS: observations of a modest aerosol enhancement aloft" published in Atmos. Chem. Phys., 15, 7085â€“7102, 2015. Atmospheric Chemistry and Physics, 2015, 15, 8455-8455.	5.0	1
136	Particulate organic nitrates observed in an oil and natural gas production region during wintertime. Atmospheric Chemistry and Physics, 2015, 15, 9313-9325.	5.0	15
137	Chemistryâ€turbulence interactions and mesoscale variability influence the cleansing efficiency of the atmosphere. Geophysical Research Letters, 2015, 42, 10,894.	4.0	30
138	VOC species and emission inventory from vehicles and their SOA formation potentials estimation in Shanghai, China. Atmospheric Chemistry and Physics, 2015, 15, 11081-11096.	5.0	80
139	Observation of isoprene hydroxynitrates in the southeastern United States and implications for the fate of NO_{<i>x</i>}. Atmospheric Chemistry and Physics, 2015, 15, 11257-11272.	5.0	79
140	Characterization of a real-time tracer for isoprene epoxydiols-derived secondary organic aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements. Atmospheric Chemistry and Physics, 2015, 15, 11807-11833.	5.0	189
141	Organic nitrate aerosol formation via NO₃ + biogenic volatile organic compounds in the southeastern United States. Atmospheric Chemistry and Physics, 2015, 15, 13377-13392.	5.0	129
142	Photochemical aging of volatile organic compounds associated with oil and natural gas extraction in the Uintah Basin, UT, during a wintertime ozone formation event. Atmospheric Chemistry and Physics, 2015, 15, 5727-5741.	5.0	33
143	In situ vertical profiles of aerosol extinction, mass, and composition over the southeast United States during SENEX and SEAC⁴RS: observations of a modest aerosol enhancement aloft. Atmospheric Chemistry and Physics, 2015, 15, 7085-7102.	5.0	52
144	Gas and aerosol carbon in California: comparison of measurements and model predictions in Pasadena and Bakersfield. Atmospheric Chemistry and Physics, 2015, 15, 5243-5258.	5.0	51

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145	Quantifying atmospheric methane emissions from the Haynesville, Fayetteville, and northeastern Marcellus shale gas production regions. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2119-2139.	3.3	170
146	Red ear syndrome: Literature review and a pediatric case report. International Journal of Pediatric Otorhinolaryngology, 2015, 79, 281-285.	1.1	8
147	Effects of anthropogenic emissions on aerosol formation from isoprene and monoterpenes in the southeastern United States. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 37-42.	7.6	511
148	PTR-QMS versus PTR-TOF comparison in a region with oil and natural gas extraction industry in the Uintah Basin in 2013. Atmospheric Measurement Techniques, 2015, 8, 411-420.	3.1	29
149	Modeling the Radical Chemistry in an Oxidation Flow Reactor: Radical Formation and Recycling, Sensitivities, and the OH Exposure Estimation Equation. Journal of Physical Chemistry A, 2015, 119, 4418-4432.	2.6	140
150	Airborne measurements of the atmospheric emissions from a fuel ethanol refinery. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4385-4397.	3.3	16
151	Emissions of C₆â€“C₈ aromatic compounds in the United States: Constraints from tall tower and aircraft measurements. Journal of Geophysical Research D: Atmospheres, 2015, 120, 826-842.	3.3	46
152	Measurements of hydrogen sulfide (H₂S) using PTR-MS: calibration, humidity dependence, inter-comparison and results from field studies in an oil and gas production region. Atmospheric Measurement Techniques, 2014, 7, 3597-3610.	3.1	26
153	Reduced emissions of <scp>CO₂</scp>, <scp>NOx</scp>, and <scp>SO₂</scp> from U.S. power plants owing to switch from coal to natural gas with combined cycle technology. Earth's Future, 2014, 2, 75-82.	6.2	229
154	New insights into atmospheric sources and sinks of isocyanic acid, HNCO, from recent urban and regional observations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1060-1072.	3.3	35
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